(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau .

(43) International Publication Date 3 June 2004 (03.06.2004)





PCT (10) International Publication Number 2004/047089 A3

(51) International Patent Classification⁷: 7/013, 20/00

G11R (74)

(21) International Application Number:

PCT/EP2003/012256

(22) International Filing Date:

3 November 2003 (03.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

02025756.4

15 November 2002 (15.11.2002) EP

(71) Applicant (for all designated States except US): THOM-SON LICENSING S.A. [FR/FR]; 46, Quai A. Le Gallo, F-92100 Boulogne-Billancourt (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): RICHTER, Hartmut [DE/DE]; Weichselstr. 39, 78052 Villingen-Schwenningen (DE). HOFMANN, Holger [DE/DE]; Lindenstr. 6, 72149 Neustetten (DE). KNAPPMANN, Stephan [DE/DE]; Im Hanfgarten 13/3, 78658 Zimmern ob Rottweil (DE). BALLWEG, Christof [DE/DE]; Rosengasse 10, 78050 Villingen-Schwenningen (DE). BÜCHLER, Christian [DE/DE]; Terra Wohnpark 7, 78052 Villingen-Schwenningen (DE).

Agent: THIES, Stephan; Deutsche Thomson-Brandt GmbH, European Patent Operations, Karl-Wiechert-Allee 74, 30625 Hannover (DE).

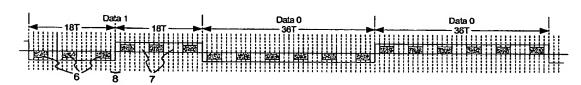
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 8 July 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR STORING DATA ON AN OPTICAL RECORDING MEDIUM



(57) Abstract: The invention relates to a method for storing data in a prerecorded area of an optical recording medium, and to an optical recording medium having at least one prerecorded area in which data is stored according to the method. It is an object to propose a method for storing data in a prerecorded area of an optical recording medium using pits (6) and lands (7), whereby the signal obtained from the pits (6) and lands (7) is compatible with a high frequency modulated groove signal. According to the invention, the pits (6) and lands (7) adjacent to bit cell signal transitions (1, 2, 3, 4) are arranged in a predefined manner, either in a fixed recurring sequence of pits 6) and lands (7) or symmetrically to the bit cell signal transitions (1, 2, 3, 4).